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PATENT  
Attorney Docket No. MFL-003  
5407/9

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Yu et al. CONFIRMATION NO.: 4824  
SERIAL NO.: 10/771,739 GROUP NO.: 2123  
FILING DATE: February 4, 2004 EXAMINER: Not yet assigned  
TITLE: Apparatus and Methods for Performing Process Simulation Using a Hybrid Model

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the foreign patent documents and non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

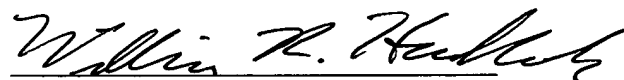
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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# TRANSMITTAL FORM

Application Serial Number	10/771,739
Filing Date	February 4, 2004
First Named Inventor	Yu
Group Art Unit	2123
Examiner Name	Not yet assigned
Attorney Docket No.	MFL-003
Patent No.	Not applicable
Issue Date	Not applicable

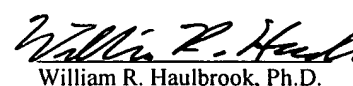
## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations B13-B16 and C98-C103 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure (please identify below)
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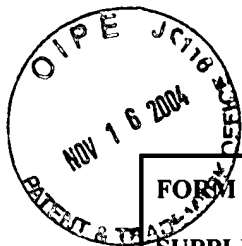
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## SIGNATURE BLOCK

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<b>FORM PTO - 1449</b>				<b>ATTORNEY DOCKET NO.:</b> MFL-003					
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>				<b>APPLICANT(S):</b> Yu <i>et al.</i>					
				<b>SERIAL NO.:</b> 10/771,739					
				<b>FILING DATE:</b> February 4, 2004					
				<b>GROUP:</b> 2123					
<b>U.S. PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE IF APPROPRIATE</b>		
<b>FOREIGN PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY CODE</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE</b>	<b>ABSTRACT ONLY</b>	<b>ENGLISH LANG Y/N</b>
	B13	09262887	10/07/1997	JP				Y	Y (Abstract Only)
	B14	10138312	05/26/1998	JP				Y	Y (Abstract Only)
	B15	10156885	06/16/1998	JP				N	Y (Abstract Only)
	B16	2002219739	08/06/2002	JP				N	Y (Abstract Only)
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>								
	C98	Guo <i>et al.</i> , "Numerical Simulation of Injection Molding of Semicrystalline Thermoplastics," <u>Antec, Plastic the Lone Star 2001</u> , 1:1-5 (2001).							
	C99	Guo <i>et al.</i> , "On the Prediction of Crystallinity Distribution in Injection Molded Semi-Crystalline Thermoplastics," <u>Antec 2000, Plastic the Magical Solution</u> , 1:1-5 (2000).							
	C100	Liu, "Isothermal Flow Simulation of Liquid Composite Molding," <u>Composites</u> , Part A 31:1295-1302 (2000).							
	C101	Muslet <i>et al.</i> , "Computer Simulation of the Film Blowing Process Incorporating Crystallization and Viscoelastic Effects," <u>Antec</u> , 3:3241-3245 (2003).							
	C102	Pouzada <i>et al.</i> , "The Use of Morphology Data in the Design of Injection Moulded Flat Products," <u>Antec, Plastics Bridging the Millennium</u> , 3:1-5 (1999).							
	C103	International Search Report for International Application No. PCT/US2004/003063, dated September 6, 2004 (4 pages).							
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>				